

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Colby et al. )  
 ) Group Art Unit: 2155  
Serial No.: 10/674,998 )  
 ) Confirmation No. 5251  
Filed: September 30, 2003 )  
 ) Examiner: Lazaro, David R.  
For: METHOD, SYSTEM, AND STORAGE )  
 )  
 ) MEDIUM FOR PROVIDING CONTEXT- )  
 )  
 ) BASED DYNAMIC POLICY )  
 )  
 ) ASSIGNMENT IN A DISTRIBUTED )  
 )  
 ) PROCESSING ENVIRONMENT )

AMENDMENT UNDER 37 C.F.R. §1.111

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed February 15, 2007, Applicants request reconsideration in view of the following amendment and remarks for entry in the above-identified application.

## LISTING OF THE CLAIMS:

1. (Currently Amended) A system for providing context-based dynamic policy assignment in a distributed processing environment, comprising:

- a first resource management host in communication with a client system via a distributed network architecture;

- at least one application executable by said first resource management host;

- a dynamic policy assignment system executing on said first resource management host;

- a plurality of policies stored on said first resource management host, wherein at least one of the plurality of policies is associated with said client system, and a plurality of task names associated with a request to access an application are mapped to the plurality of policies; and

- an application profile associated with said client system, said application profile received by said first resource management host in response to a request by said client system to receive application hosting services, said application hosting services including executing said at least one application on behalf of said client system;

- wherein said dynamic policy assignment system performs:

- receiving said request at said first resource management host;

- based upon a profile ID and a task name associated with said application profile, selecting at least one of said plurality of policies for an application instance related to said request;

- associating said at least one of said plurality of policies to said application instance; and

- executing said application on behalf of said client system; and

- changing dynamically at least one of said plurality of policies for an application instanced based on a task name change.

2. (Currently Amended) The system of claim 1, further comprising a second resource management host in communication with said client system and said first resource management host via said distributed network architecture, said second resource management host receiving said request forwarded by said first resource management host;

wherein said request includes a request to execute a second application different from said at least one application, said second application stored on said second resource management host and wherein said dynamic policy assignment system selects at one of said plurality of policies of said second application based on a task name associated with said second application.

3. (Currently Amended) The system of claim 2, wherein said first resource management host and said second resource management host are operating in a web based programming language Java-2-Enterprise-Edition environment and provide web based programming language Java-2-Enterprise-Edition services to said client system via said dynamic policy assignment system.

4. (Original) The system of claim 3, wherein said plurality of policies include at least one of:

- security;
- transaction;
- persistence; and
- performance.

5. (Original) The system of claim 3, wherein said plurality of policies includes an access intent policy.

6. (Original) The system of claim 3, wherein said application profile includes a profile ID operable for identifying said client system and distinguishing said client system from other client systems.

7. (Original) The system of claim 3, wherein said application profile includes a task name operable for identifying an application requested by said client system.
8. (Original) The system of claim 7, wherein said task name is a default value reflecting a name of said application requested by said client.
9. (Currently Amended) A method for providing context-based dynamic policy assignment in a distributed processing environment, comprising:
- receiving a request at a first host system to execute a first application on behalf of a client system, said request including an application profile;
  - based upon a profile ID and one or more task name names associated with said application profile, selecting at least one policy for an application instance related to said request and mapping said one or more task names to a plurality of policies, wherein a least one of the plurality of policies is associated with said client system;
  - associating said at least one policy to said application instance;
  - executing said first application on behalf of said client system; and
  - changing dynamically said at least one policy associated with said application instance based upon a task name change.
10. (Currently Amended) The method of claim 9, further comprising:
- forwarding said request to a second host system along with said application profile, wherein said request contains a request to access a second application stored on said second host system, and wherein a dynamic policy assignment system associates at least one policy with said second application instance based on a task name associated with said second application.
11. (Currently Amended) The method of claim 10, wherein said first host system and said second host system are operating in a web based programming language Java-2 Enterprise-Edition environment and provide web based programming language Java-2 Enterprise-Edition services to said client system via said dynamic policy assignment system.

12. (Currently Amended) The method of claim 10, further comprising a web based programming language an EJB method including a run-as-task descriptor operable for determining a current task name value associated with a request to access an application;

wherein said run-as-task descriptor values include:

caller, operable for specifying a current task name as 'run with caller's task name';

own, operable for specifying a current task name as 'run with an application name of an application containing a current component'; and

specified, operable for specifying an explicit task name to run as a current task name.

13. (Currently Amended) A storage medium encoded with machine-readable computer program code for providing context-based dynamic policy assignment, said storage medium including instructions for causing a computer to implement a method, comprising:

receiving a request at a first host system to execute a first application on behalf of a client system, said request including an application profile;

based upon a profile ID and one or more task names name associated with said application profile, selecting at least one policy for an application instance related to said request and mapping said one or more task names to a plurality of policies, wherein at least one of the plurality of policies is associated with said client system;

associating said at least one policy to said application instance;

executing said first application on behalf of said client system; and

changing dynamically said at least one policy associated with said application instance based upon a task name change.

14. (Currently Amended) The method of claim 13, further comprising:

forwarding said request to a second host system along with said application profile, wherein said request contains a request to access a second application stored on said second host system and wherein a dynamic policy assignment system associates at least one policy with said second application instance based on a task name associated with said second application.

15. (Currently Amended) The method of claim 14, wherein said first host system and said second host system are operating in a web based programming language Java-2 Enterprise-Edition environment and provide web based programming language Java-2 Enterprise-Edition services to said client system via said dynamic policy assignment system.

16. (Currently Amended) The method of claim 14, further comprising a web based programming language an-EJB method including a run-as-task descriptor operable for determining a current task name value associated with a request to access an application; wherein said run-as-task descriptor values include:

caller, operable for specifying a current task name as 'run with caller's task name';

own, operable for specifying a current task name as 'run with an application name of an application containing a current component'; and

specified, operable for specifying an explicit task name to run as a current task name.

## **REMARKS**

This Amendment is being filed in response to the Office Action mailed February 15, 2007. Claims 1-16 are currently pending in this present application. Claims 1-4 and 9-16 have been amended. In making these amendments, Applicants are not conceding that the claims as originally filed are not patentable over the cited art, as the present claim amendments are only for expediting prosecution. Applicants reserve the right to pursue the claims as originally filed and other claims in one or more continuation or divisional applications.

### **I. CLAIM REJECTIONS: 35 U.S.C. § 112**

Claims 3, 11, 12, 15 and 16 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. The Examiner maintains that claims 3, 11 and 15 each contain the trademark/trade name "Java 2 Enterprise Edition." The Examiner also maintains claims 12 and 16 both contain the limitation "EJB," and the claimed subject matter does not make it particularly clear the meaning of EJB.

In an effort to expedite prosecution, Applicants have amended the claims where appropriate to change "Java 2 Enterprise Edition" and "EJB" to --web based programming language--. The terminology "web based programming language" generically describes Java 2 Enterprise Edition and EJB. In view of this amendment, Applicants respectfully request that the rejections to claims 3, 11, 12, 15 and 16 be withdrawn.

### **II. CLAIM REJECTIONS: 35 U.S.C. § 102(e)**

Claims 1, 4-9, and 13 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by U.S. Patent Application 2004/0059946 by Price.

Applicants respectfully traverse the 35 U.S.C. § 102(e) rejection of claims 1, 4-9, and 13, as set forth below. The following remarks are for independent claim 1 but apply by analogy, although not necessarily coextensively, to independent claims 9 and 13.

Amended Claim 1 now recites:

A system for providing context-based dynamic policy assignment in a distributed processing environment, comprising:

- a first resource management host in communication with a client system via a distributed network architecture;

- at least one application executable by said first resource management host;

- a dynamic policy assignment system executing on said first resource management host;

- a plurality of policies stored on said first resource management host, wherein at least one of the plurality of policies is associated with said client system, and a plurality of task names associated with a request to access an application are mapped to the plurality of policies; and

- an application profile associated with said client system, said application profile received by said first resource management host in response to a request by said client system to receive application hosting services, said application hosting services including executing said at least one application on behalf of said client system;

- wherein said dynamic policy assignment system performs:

  - receiving said request at said first resource management host;

  - based upon a profile ID and a task name associated with said application profile, selecting at least one of said plurality of policies for an application instance related to said request;

  - associating said at least one of said plurality of policies to said application instance;

  - executing said application on behalf of said client system; and

  - changing dynamically at least one of said plurality of policies for an application instanced based on a task name change. (emphasis added)

The Office Action asserts that Price teaches a system for providing context-based dynamic policy assignment in a distributed processing environment, wherein the dynamic policy assignment system performs: “based upon a profile ID and task name associated



with said application profile, selecting at least one of said plurality of policies for an application instance related to said request.” (citing page 2, paragraphs 0025-0026 of the O.A.) However, the paragraphs of Price cited by the Office Action state in part, “the terms service\_name, application\_name and business\_rule\_name identify a particular service 31, application 32 and business rule 33 for performing the request and the argument /value pairs may include user identification, data supplied with the request, and other information used in association with the request.” Price fails to disclose or suggest a plurality of policies stored on said first resource management host, wherein at least one of the plurality of policies is associated with said client system, and a plurality of task names associated with a request to access an application are mapped to the plurality of policies, as recited in claim 1.

Since Price fails to show all the features recited in claim 1, Price fails to anticipate claim 1. Accordingly, claim 1 is considered allowable over Price. Independent claims 9 and 13 recite similar features as claim 1 and are considered allowable for at least the same reasons.

Claims 2-8, 10-12, and 14-16 depend ultimately from claims 1, 9, and 13, respectively, and are considered allowable for at least the same reasons.

### **III. CLAIM REJECTIONS: 35 U.S.C. § 103(a)**

Claims 2, 10 and 14 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Price in view of U.S. Patent 7,076,562 by Singhal et al. (Singhal). Claims 3, 11 and 15 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Price in view of Singhal and further in view of Applicants’ alleged admitted prior art.

Singhal discloses an application intermediation gateway. Applicants’ alleged admitted prior art relates to a Java 2 Enterprise Edition environment. Nowhere in Singhal or in Applicants’ alleged admitted prior art is there a disclosure or suggestion of a plurality of policies stored on said first resource management host, wherein at least one of the plurality of policies is associated with said client system, and a plurality of task names associated with a request to access an application are mapped to the plurality of policies, as set forth in claim 1. Thus, Singhal and Applicants’ alleged admitted prior art fail to

make up for the deficiencies of Price. Accordingly, claims 2 and 3, which depend from claim 1, are considered allowable over any combination of Price, Singhal and Applicants' alleged admitted prior art.

Claims 9 and 13 recite similar features as claim 1. Therefore, claims 10-11 and 14-15, which respectively depend from claims 9 and 13, are considered allowable over any combination of Price, Singhal and Applicants' alleged admitted prior art.

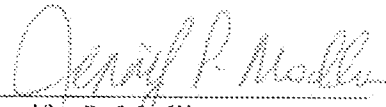
#### **IV. CONCLUSION**

In view of the above, it is respectfully submitted that this application is in condition for allowance. Accordingly, it is respectfully submitted that this application be allowed and that a Notice of Allowance be issued. If the Examiner believes that a telephone conference with the Applicants' attorneys would be advantageous to the disposition of this case, then the Examiner is encouraged to telephone the undersigned.

If there are any additional charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 09-0463.

Respectfully submitted,

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